AlpicAir

AlpicAir

Split Inverter Air Conditioner

OWNER'S MANUAL

ALPICAIR AIR CONDITIONERS

Thank you for selecting ALPICAIR air conditioners. Please read this manual carefully before operation and keep it for further reference.

66129909213

◆ CONTENTS

Operation and maintenance

- Notices for operation 1
- Notices for use. 3
- Names and functions of each part 4
- Operation of wireless remote control 5
- Emergency operation 10
- Clean and care 11
- Troubleshooting. 13

Installation service

- Notices for installation 16
- Installation dimension diagram 18
- Install indoor unit 19
- Test operation and check after installation 21
- Installation and Maintenance of Healthy Filter 22

Never attempt. Be sure to follow this instruction

The physical product may differ from the drawing in this manual for different display. If there are some differences between them, please refer to the physical product as the standard.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
Children should be supervised to ensure they are away from the appliance.

Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.

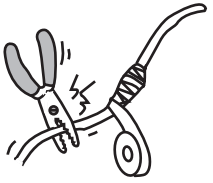
◆ Notices for operation

Please read the following carefully before operating

★ When the voltage is very high, the components would be easily damaged, when the voltage is very low, the compressor vibrates terribly and that the refrigerant system will be damaged, the compressor and electric components cannot work, the voltage should be stable; there shouldn't be big fluctuation.

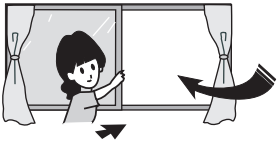
★ Be sure to pull out the power plug as the air conditioner not in use for a long time.
Otherwise, the accumulated dusts that may cause over heating or fire.

★ Never splice the power cord or use an extended cord.

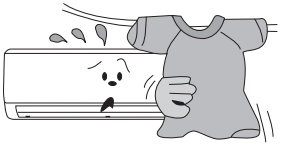


It can cause overheating or fire.

★ Don't leave windows and doors open for a long time while operating the air conditioner.
It can decrease the air conditioning capacity.



★ Don't block the air intake or outlet vents of both the outdoor and indoor units.
It can decrease the air conditioning capacity or cause a malfunction.

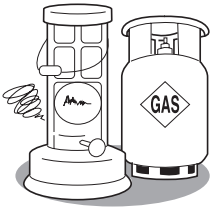


★ The power supply must adopt the special circuit that with air switch protection and assure it has enough capacity.
The unit will be turned on or off according to your requirement automatically, please do not turn on or turn off the unit frequently, otherwise disadvantage effect may be caused to the unit.

★ When having a burning smell or smoke, please turn off the power supply and contact with the service center.

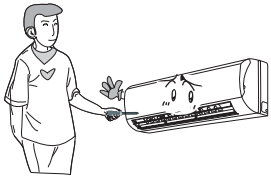
If the abnormity still exists, the unit may be damaged, and may cause electric shock or fire.

★Keep combustilble spray away from the units more than 1m.



It can cause a fire or explosion

★Don't attempt to repair the air conditioner by yourself.

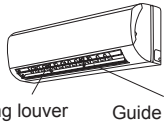


The wrong repair will lead to an electric shock or fire, so you should contact the service center to repair.

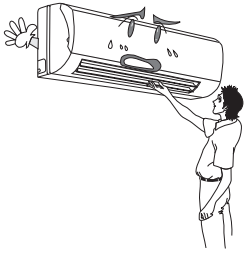
◆ Notices for operation

★Please don't cut off or damage the power cords and control cords.
If they are damaged, please ask the qualified personnel to change them.

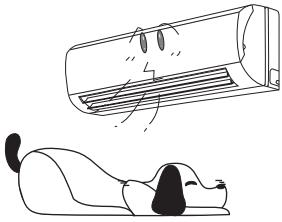
★ To adjust the airflow direction appropriately. When operating the unit,to adjust the vertical and lateral air flow direction by use of remote controller.



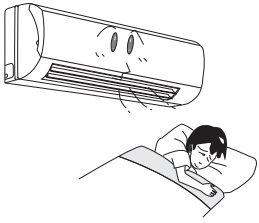
★ Don’t insert your hands or stick into the air intake or outlet vents.



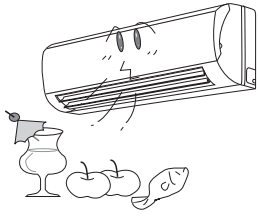
★ Don’t blow the wind to animals and plants directly. It can cause a bad influence to them.



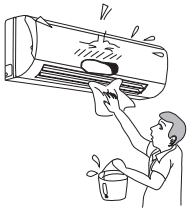
★ Don’t apply the cold wind to the body for a long time.
It can cause the health problems.



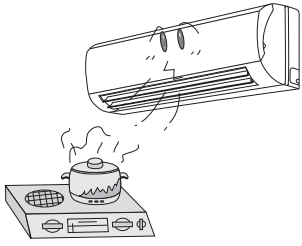
★ Don’t use the air conditioner for other purposes, such as drying clothes, preserving foods, etc.



★ Splashing water on the air conditioner can cause an electric shock and malfunction.



★Don’t place a space heater near the air conditioner.



◆ Notices for use

Working principle and special functions for cooling

Principle:

Air conditioner absorbs heat in the room and transmit to outdoor and discharged, so that indoor ambient temperature decreased, its cooling capacity will increase or decrease by outdoor ambient temperature.

Anti-freezing function

If the unit is running in COOL mode and in low temperature, there will be frost formed on the heat exchanger, when indoor heat exchanger temperature decreased below 0℃ the indoor unit microcomputer will stop compressor running and protect the unit.

Working principle and special functions for heating

Principle:

* Air conditioner absorbs heat in the room and transmit to outdoor and discharged, will increase, its heating capacity will decrease by outdoor ambient temperature. so that indoor ambient temperature increased, so room heating capacity.
* If outdoor temperature got lower, please operate with the other heating ventilating equipments.

Defrosting:

* When outdoor temperature is low but high humidity, after a long while running, frost will form on outdoor unit, that will effect the heating effect, at this time, the auto defrosting function will act, the heat running will stop for 8-10mins.
* During the auto defrosting, the fan motors of indoor unit and outdoor unit will stop.
* During the defrosting, the indoor indicator flashes, the outdoor unit may emit vapor. This is due to the defrosting, it isn't malfunction.
* After defrosting finished,the heating will recover automatically.

Anti-freezing function:

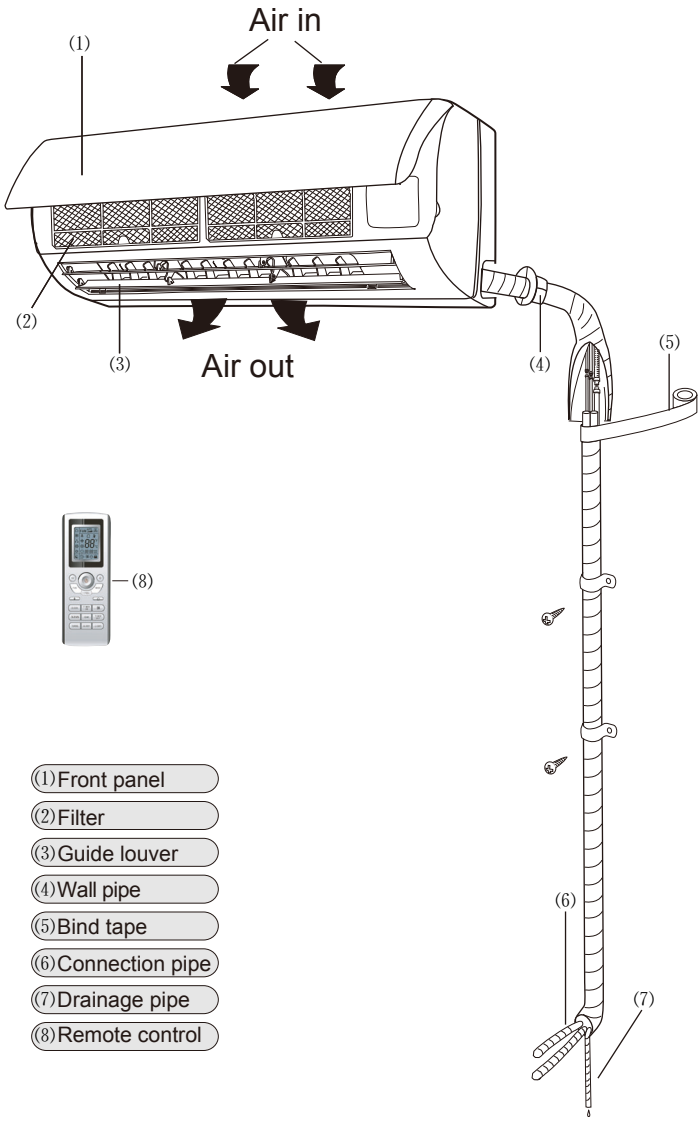
In "HEAT" mode, if in the following status, the indoor heat exchanger haven't achieve the certain temperature, that the indoor unit will not act, in order to prevent cool air blowing. (Within 3mins)

1.Heating starts. 2.After Auto defrosting finished. 3.Heating under the low temperature.

The climate type of this unit is according to the nameplate.

◆ Names and functions of each part

Indoor unit



(1) Front panel
(2) Filter
(3) Guide louver
(4) Wall pipe
(5) Bind tape
(6) Connection pipe
(7) Drainage pipe
(8) Remote control

Operation of wireless remote control

Name and function of wireless remote control

Note: Be sure that there are no obstructions between receiver and remote controller; Don't drop or throw the remote control; Don't let any liquid in the remote control and put the remote control directly under the sunlight or any place where is very hot.

Signal transmitter

Remote control

SLEEP

SLEEP button

- Press this button, Sleep On and Sleep Off can be selected. After powered on,Sleep Off is defaulted. After the unit is turned off, the Sleep function is canceled. After Sleep function set up, the signal of Sleep will display. In this mode, the time of timer can be adjusted. Under Fan and Auto modes, this function is not available.

FAN

FAN button

- Press this button, Auto, Low, Middle, High speed can be circularly selected. After powered on,Auto fan speed is default. Under Blow mode, Low fan speed only can be set up.

AUTO → Low fan → Middle fan → High fan

CLOCK

CLOCK button

- Press this button, the clock can be set up, signal blink and display.Within 5 seconds, the value can be adjusted by pressing + or - button, if continuously press this button for 2 seconds above, in every 0.5 seconds, the value on ten place of Minute will be increased 1. During blinking, repress the Clock button, signal will be constantly displayed and it denotes the setting succeeded. After powered on, 12:00 is defaulted to display and signal will be displayed. If there is signal be displayed that denotes the current time value is Clock value, otherwise is Timer value.

TEMP

TEMP button

- Press this button, could select displaying the indoor setting temperature or indoor ambient temperature.When the indoor unit firstly power on it will display the setting temperature, if the temperature's displaying status is changed from other status to" ", displays the ambient temperature, 5s later or within 5s, it receives other remote control signal that will return to display the setting temperature. if the users haven't set up the temperature displaying status,that will display the setting temperature.

ON/OFF button

- Press this button, the unit will be turned on, press it once more, the unit will be turned off. Sleep function will be canceled, while unit off.

MODE

MODE button

- Press this button, Auto, Cool,Dry, Fan, Heat mode can be selected circularly. Auto mode is default while power on. Under Auto mode,the temperature will not be displayed; Under Heat mode, the initial value is 28℃(82℉);Under other modes, the initial value is 25℃(77℉).

AUTO
COOL
DRY
FAN
HEAT
(Only for cooling and heating unit.)

Operation of wireless remote control

Names and functions of wireless remote control

This wireless remote control is universal, and it could be used for many units, some buttons of this control which are not available to this unit will not be described below.

Remote control

+

+ button

- Presetting temperature can be increased. Press this button, the temperature can be set up, continuously press this button and hold for two seconds, the relative contents can quickly change, until unhold this button and send the order that the ℃ (℉) signal will be displayed all the time. The temperature adjustment is unavailable under the Auto mode, but the order can be sent if pressing this button. Temperature of Celsius degree setting: 16-30 ; for Fahrenheit degree setting: 61-86.

-

- button

- Presetting temperature can be decreased. Press this button, the temperature can be set up, continuously press this button and hold for two seconds, the relative contents can quickly change, until unhold this button and send the order that the ℃ (℉) signal will be displayed all the time. The temperature adjustment is unavailable under the Auto mode, but the order can be sent by if pressing this button.

X-FAN

X-FAN button

- Pressing X-FAN button in COOL or DRY mode,the ❀ icon is displayed and the indoor fan will continue operation for 10 minutes in order to dry the indoor unit even though you have turned off the unit.After energization, X-FAN OFF is defaulted. X-FAN is not available in AUTO,FAN or HEAT mode.

  Note: X-FAN is the alternative expression of BLOW for the purpose of understanding.

LIGHT

LIGHT button

- Press this button at unit On or Off status, Light On and Light Off can be set up. After powered on, Light On is defaulted.

TURBO

TURBO button

- Under Cool or Heat mode, press this button can turn on or turn off the Turbo function.After the Turbo function turned on, the signal of Turbo will display. The signal will be automatically cancelled if changing the mode or fan speed.

◆ Operation of wireless remote control

Name and function of wireless remote control

This wireless remote control is universal, and it could be used for many units, some buttons of this control which are not available to this unit will not be described below.

Remote control

SWING UP AND DOWN BUTTON

- Press this button to set swing angle, which circularly changes as below:

This remote controller is universal.If it receives threes kinds of following status, the swing angle will remain original.

If guide louver is stopped when it is swinging up and down,it will remian its present position.

indicates guide louver swings back and forth in the five places,as shown in the figure.

AIR BUTTON

- Press this button, Air On or Air Off can be selected.

TIMER ON

TIMER ON BUTTON

- Timer On setting: Signal "ON" will blink and display, signal ◴ will conceal, the numerical section will become the timer on setting status. During 5 seconds blink, by pressing + or − button to adjust the time value of numerical section, every press of that button, the value will be increased or decreased 1 minute. Hold pressing + or −button, 2 seconds later, it quickly change, the way of change is: During the initial 2.5 seconds, ten numbers change in the one place of minute, then the one place is constant, ten numbers change in the tens place of minute at 2.5 seconds speed and carry. During 5s blink, press the Timer On button, the Timer On setting succeeds. The Timer On has been set up, repress the Timer On button, the Timer On will be canceled. Before setting the Timer, please adjust the Clock to the current actual time.

TIMER OFF

TIMER OFF BUTTON

- One press this key to enter into TIMER OFF setup, in which case the TIMER OFF icon will blink. The method of setting is the same as for TIMER ON.

HEALTH BUTTON

- Press this button, Health On or Health Off can be selected.Health On is defaulted while unit is turned on.

I FEEL

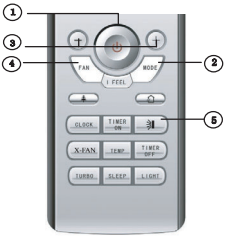
I FEEL BUTTON

- Press this button once, to turn on the I FEEL function, then the figure of "I FEEL" will be displayed, after every press of other function button, every 200ms to send I FEEL once, after this function started, the remote control will send temperature to the main unit in every 10 minutes.When repress this button, this function will be turned off.

Operation of wireless remote control

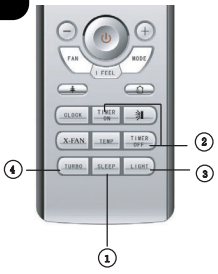
Guide for operation- General operation

1. After powered on, press ON/OFF button, the unit will start to run.(Note: When it is powered on, the guide louver of main unit will close automatically.)
2. Press MODE button, select desired running mode.
3. Pressing +or - button, to set the desired temperature (It is unnecessary to set the temp. at AUTO mode.)
4. Pressing FAN button, set fan speed, can select AUTO FAN, LOW, MID and HIGH.
5. Pressing button, to select the swing.



Guide for operation- Optional operation

1. Press SLEEP button, to set sleep.
2. Press TIMER ON and TIMER OFF button, can set the scheduled timer on or timer off.
3. Press LIGHT button, to control the on and off of the displaying part of the unit (This function may be not available for some units).
4. Press TURBO button, can realize the ON and OFF of TURBO function.



Introduction for special function

★ About X-FAN function

This function indicates that moisture on evaporator of indoor unit will be blowed after the unit is stopped to avoid mould.

1. Having set X-FAN function on: After turning off the unit by pressing ON/OFF button indoor fan will continue running for about 10 min. at low speed. In this period, press X-FAN button to stop indoor fan directly.
2. Having set X-FAN function off: After turning off the unit by pressing ON/OFF button, the complete unit will be off directly.

★ About AUTO RUN

When AUTO RUN mode is selected, the setting temperature will not be displayed on the LCD, the unit will be in accordance with the room temp. automatically to select the suitable running method and to make ambient comfortable.

★ About turbo function

If start this function, the unit will run at super-high fan speed to cool or heat quickly so that the ambient temp. approachs the preset temp. as soon as possible.

◆ Operation of wireless remote control

★ About lock

Press +and - buttons simultaneously to lock or unlock the keyboard. If the remote controller is locked, the icon will be displayed on it, in which case, press any button, the mark will flicker for three times. If the keyboard is unlocked, the mark will disappear.

★ About swing up and down

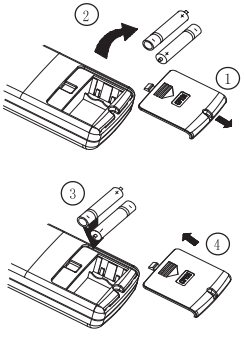
1. Press swing up and down button continuously more than 2s,the main unit will swing back and forth from up to down, and then loosen the button, the unit will stop swinging and present position of guide louver will be kept immediately.
2. Under swing up and down mode, when the status is switched from off to , if press this button again 2s later, status will switch to off status directly; if press this button again within 2s,the change of swing status will also depend on the circulation sequence stated above.

★ About switch between Fahrenheit and Centigrade

Under status of unit off, press MODE and - buttons simultaneously to switch ℃ and ℉.

Changing batteries and notices

1. Slightly to press the place with , along the arrowhead direction to push the back cover of wireless remote control. (As show in figure)
2. Take out the old batteries. (As show in figure)
3. Insert two new AAA1.5V dry batteries, and pay attention to the polarity. (As show in figure)
4. Attach the back cover of wireless remote control. (As show in figure)



Sketch map for changing batteries

★ NOTE:

- When changing the batteries, do not use the old or different batteries, otherwise, it can cause the malfunction of the wireless remote control.
- If the wireless remote control will not be used for a long time, please take them out, and don't let the leakage liquid damage the wireless remote control.
- The operation should be in its receiving range.
- It should be placed at where is 1m away from the TV set or stereo sound sets.
- If the wireless remote control can not operate normally, please take them out, after 30s later and reinsert, if they cannot normally run, please change them.

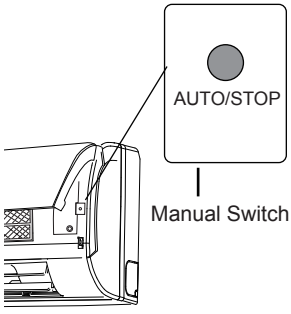
◆ Emergency Operation

Emergency Operation

When the wireless remote control is lost or damaged, please use the manual switch, at this time, it is running in Auto Run mode that will not change the temperature setting value and fan speed.

The manual switch can be operated as follow:

- At operation: When the unit stopped running, press ON/OFF button, unit will enter into AUTO RUN mode. The microcomputer will accord to the room temperature to select the (COOL, HEAT, FAN) mode automatically, to obtain the comfortable effect.
- At stopping:When the unit is running, press the ON/OFF button of the manual switch, the unit will stop work.



◆ Clean and care

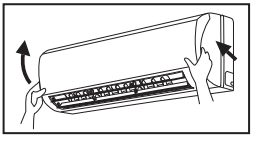
CAUTION

- Turn power off and pull out the power plug before cleaning air conditioner. Or it may cause electric shock.
- Never sprinkle water on the indoor unit for cleaning because it can cause an electric shock.
- Volatile liquid (e.g. thinner or gasoline) will damage the air conditioner. (So wipe the units with a dry soft cloth, or a cloth slightly moistened with water or cleanser.)

Clean the front panel(make sure to take it off before cleaning)

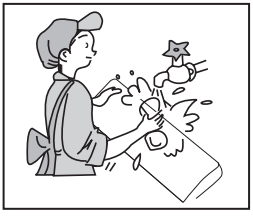
① Take off the front panel

Along the direction of arrows to lift the front panel up, meanwhile to hold both slots of the front panel and take it out forcibly and then can take it off.



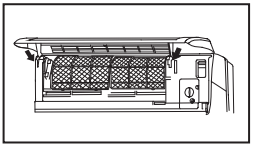
② Washing

Clean with a soft brush, water and neutral detergent and then dry it.(Note: Before cleaning the unit, please take down the displayer box firstly, then to wash the panel, if the unit has displayer on the front panel. Never use the water above 45 ℃to wash the panel, or it could cause deformation or discoloration.)



③ Install front panel

Place two supporters of the front panel into the slots, along the direction of arrows to cover and clasp the front panel. As show in right figure.



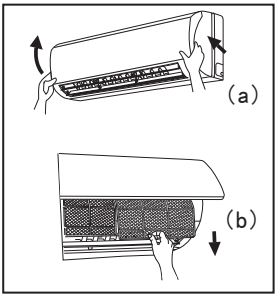
Cleaning the air filters (Recommended once every three months)

Note: If dust is much more around the air conditioner, the air filters should be cleaned many times. After taking off the filter, don't touch the fin of indoor unit, in order to avoid hurt your fingers.

◆ Clean and care

① Take down the air filter

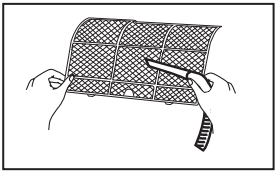
At the slot of surface panel to open an angle, pull the air filter downward and take it out.



② Cleaning

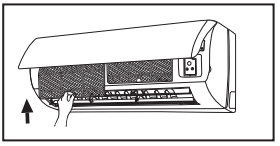
To clean the dust adhering to the filters, you can either use a vacuum cleaner, or wash them with warm water (the water with the neutral detergent should below 45℃). When the filters are very dirty (such as oil stain), and dry it in the shade.

NOTE: Never use water above 45℃ to wash, or it can cause deformation or discoloration. Never partch it by fire, or can cause a fire or deformation.

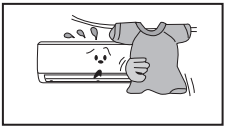


③ **Reinsert the filters**

Reinsert the filters along with the arrow head, then cover the surface panel and clasp it.



Check before use



① Be sure that nothing obstructs the air outlet and intake vents.

② Check that whether ground wire is properly connected or not.

③ Check that whether the batteries of air conditioner are changed or not.

④ Check that whether the installation stand of the outdoor unit is damaged or not. If damaged, please contact the dealer.

Maintain after use

① Turn main power off.

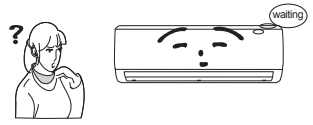
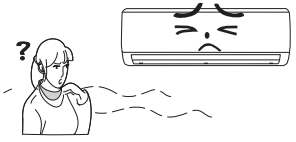
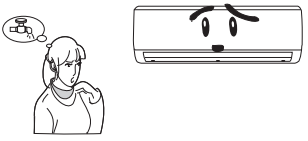
② Clean the filter and indoor and outdoor units' bodies.

③ Repaint the rubiginous place on the outdoor unit to prevent it from spreading.

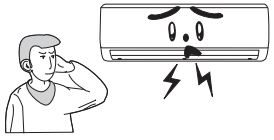
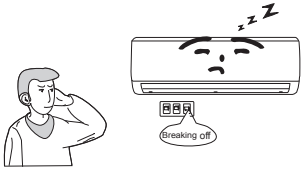
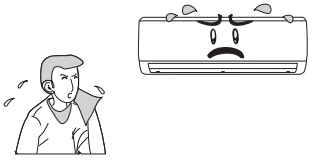
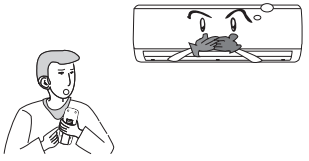
◆ Troubleshooting

Warning

Do not repair the air conditioner at your discretion. Incorrect repair may cause electric shock or fire, so please contact Authorized Service Center for professional repair. Following checks prior to contact may save your time and costs.

Phenomenon	Troubleshooting
The unit can not operte immediately when the air conditioner is restarted. 	● Once the air conditioner is stopped, it will not operate in approximately 3 minutes to protect itself.
There's unusual smell blowing from the outlet after operation is started. 	● This is caused by the odors in the room which have been breathed into the air conditioner.
Sound of water flow can be heard during operation. 	● This is caused by the refrigerant flowing inside the unit.
Mist is emitted during cooling operation.	● Because the air of the room is cooled down rapidly by the cold wind and it looks like the fog.

◆Troubleshooting

Phenomenon	Troubleshooting
Creaking noise can be heard when start or stop the unit. 	This is caused by the deformation of plastic due to the change of temperature.
Air conditioner does not operate at all. 	● Has the power been shut down? ● Is the wiring loose? ● Is the leakage protection switch in operation? ● Is voltage higher or lower? ● Is TIMER ON in operation?
Cooling(Heating)efficiency is not good. 	● Is SET TEMP. suitable? ● Is air inlet or outlet obstructed? ● Are air filters dirty? ● Are the windows and door closed? ● Is indoor fan speed set at low speed? ● Is there any other heat source in your room?
Wireless Remote control is not available. 	● Remote control can't be used occasionally when the air conditioner is disturbed or changing its functions frequently. At that time,pull out the power plug and insert it again to recover the operation. ● Is the remote control out of effective disance to the indoor unit? Are there any obstruction between the remote control and the signal receptor? ● Replace the worn batteries of remote control if the voltage of the batteries is not sufficient.

◆ Troubleshooting

Phenomenon	Troubleshooting
Indoor unit cannot deliver air	● In HEAT mode, when the temperature of indoor heat exchanger is very low, that will stop deliver air in order to prevent cool air. (Within 3min) ● In HEAT mode, when the outdoor temperature is low or high humidity, there are much frost be formed on the outdoor heat exchanger, that the unit will automatically defrost, indoor unit stop blowing air for 3-12mins.During the defrosting, there is water flowing out or vapor be produced. ● In dehumidifying mode, sometimes indoor fan will stop, in order to avoid condensing water be vaporized again, restrain temperature rising.
Moisture on air outlet vent	● If unit is running under the high humidity for a long time, the moisture will be condensed on the air outlet grill and drip off.
If water leakage in the room	● The air humidity is on the high side. ● Condensing water over flowed. ● The connection position of indoor unit drainage pipe is loosed.
Noise from indoor unit emitted.	● The sound of fan or compressor relay is switching on or off. ● When the defrosting is started or stop running, it will sound. That is due to the refrigerant flowed to the reverse direction.

Immediately stop all operations and plug out, contact the dealer in following situations.

- There is harsh sound during operation.
- The terrible odors emitted during operation.
- Water is leaking in the room.
- Air switch or protection switch often breaks.
- Carelessy splash water or something into unit.
- There is an abnormal heat in power supply cord and power plug.

▶ Stop running and pull out of the plug.

◆ Installation service- Notices for installation

Important Notices

1. The unit installation work must be done by qualified personnel according to the local rules and this manual.
2. If the air conditioner has not plug, directly connect it into the fixed circuit, a breaker should be installed in the fixed circuit. all pole of this breaker should be switching off and the distance of the contact should be at least 3mm.

Basic Requirements For Installation Position

Install in the following place may cause malfunction. If it is unavoidable contact with service center please:

- Place where strong heat sources, vapors, flammable gas or volatile object are emitted.
- Place where high-frequency waves are generated by radio equipment, welders and medical equipment.
- Place where a lot of salinities such as coast exists.
- Place where the oil (machine oil) is contained in the air.
- Place where a sulfured gas such as the hot spring zones is generated.
- Other place with special circumstance.

Indoor Unit Installation Position Selection

1. The air inlet and outlet vent should be far from the obstruction, make sure that the air can be blown through the whole room.
2. Select a position where the condensing water can be easily drained out, and the place is easily connected for outdoor unit.
3. Select a location where the children can not reach.
4. Can select the place where is strong enough to withstand the full weight and vibration of the unit. And will not increase the noise.
5. Be sure to leave enough space to allow access for routine maintenance. The height of the installed location should be 250 cm or more from the floor.
6. Select a place about 1m or more away from TVset or any other electric appliances.
7. Select a place where the filter can be easily taken out.
8. Make sure that the indoor unit installation should accord with installation dimension diagram requirements.

◆Notices for installation

Safety Requirements For Electric Appliances

1. The power supply should be used the rated voltage and AC exclusive circuit, the power cable diameter should be satisfied.
2. Don't drag the power cable emphatically.
3. It should be reliably earthed, and it should be connected to the special earth device, the installation work should be operated by the professional.
   The air switch must have the functions of magnetic tripping and heat tripping, in order to protect the short circuit and overloading.
4. The min. distance from the unit and combustive surface is 1.5m.

Note:

- Make sure that the Live wire or Zero line as well as the earth wire in the family power socket can not be wrong connected, there should be reliable and no short circuit in the diagram.
- wrong connection may cause fire.

Earthing requirements

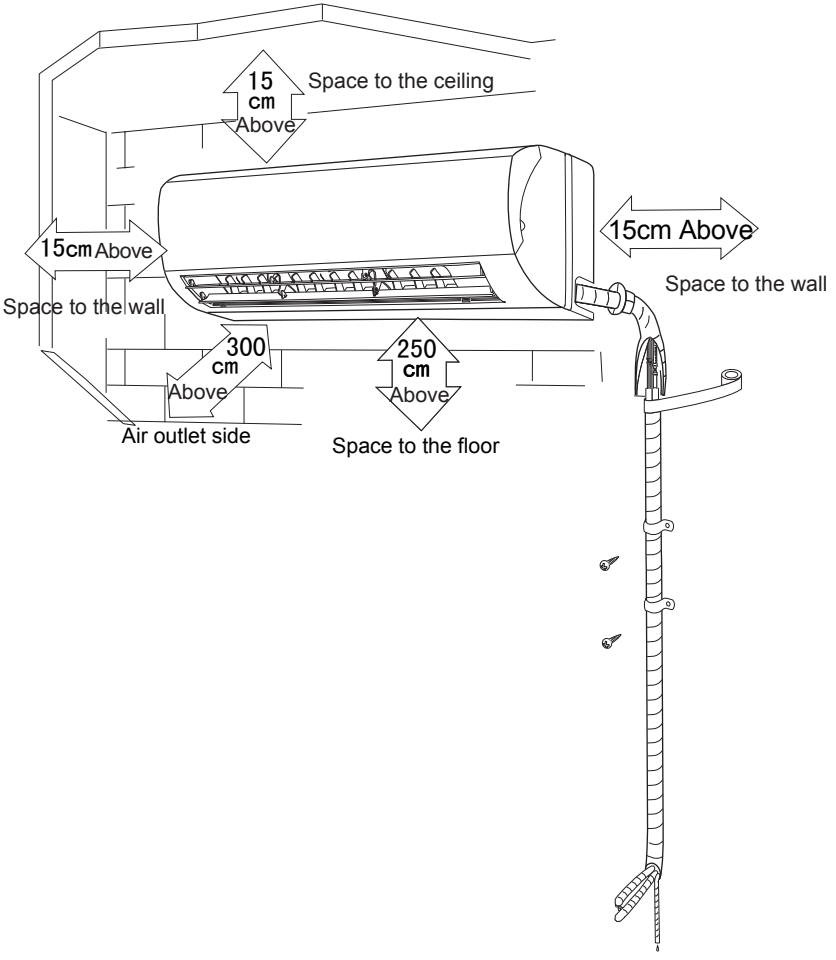
1. Air conditioner is type I electric appliance, thus please do conduct reliable earthing measure.
2. The yellow-green two-color wire in air conditioner is earthing wire and cannot be used for other propose. It cannot be cut off and be fix it by screw, otherwise it would cause electric shock.
3. The earth resistance should accord to the National Criterion.
4. The user power must offer the reliable earthing terminal. Please don't connect the earthing wire with the following place:
   ① Tap water pipe ② Gas pipe
   ③ Contamination pipe ④ Other places that professional personnel consider them unreliable.

Others

1. The connection method of unit and power cable as well as the interconnect method of each isolated component should refer to the circuit diagram stick on the unit.
2. The model of the blown fuse and rated value should refer to the silk-screen on the controller or fuse sleeve.
3. The appliance shall be installed in accordance with national wiring regulations.
4. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
5. Children should be supervised to ensure that they do not play with the appliance.

◆Installation dimension diagram

Installation dimension diagram



◆ Install indoor unit

Install the rear panel

1.Always mount the rear panel horizontally. As the water drainage pipe at the left, when adjusting the rear panel, this side should not be too high; the right side should be slightly high.

2. Fix the rear panel on the selected location.

3. Be sure that the rear panel has been fixed firmly enough to withstand the weight of an adult of 60kg, furthermore, the weight should be evenly shared by each screw.

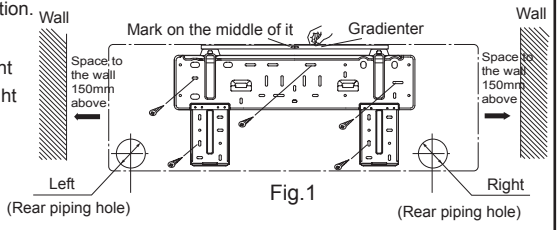
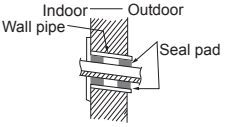


Fig.1

Install the piping hole

1. Make the piping hole in the wall at a slight downward slant to the outdoor side.

2. Insert the piping-hole sleeve into the hole to prevent the connection piping and wiring from being damaged when passing through the hole.

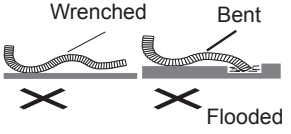


Install the water drainage pipe

1. For well draining, the drain hose should be placed at a downward slant.

2. Do not wrench or bend the drain hose or flood its end by water.

3. When the long drainage hose passing through indoor, should wrap the insulation materials.



Connect indoor and outdoor electric wires

1. Open the front panel upwardly.
2.Screw off the fixing screw of cover plate and screw off cover plate.
3. Put the power connection cable through the back of indoor unit wire hole and take it out.
4. All the wiring should be connected according to the circuit diagram on the unit.
5. Put the power connection cable the section, which with sheath into wire groove, and cover the cover plate, screw on the fixing screw, tighten the connection wire.
6. Cover the front panel cover.
7. For the cooling and heating unit, signal control wire can be passed through the connection of connector and indoor unit, and use the wire clip that is under the body case, tighten the signal control wire.

◆ Install indoor unit

NOTE:

When connecting the electric wire if the wire length is not enough, please contact with the authorized service shop to buy a exclusive electric wire that is long enough and the joint on the wire are not allowed.

- The electric wiring must be correctly connected, wrong connection may cause spare parts malfunction.
- Tighten the terminal screw in order to prevent loose.
- After tighten the screw, slightly pull the wire and confirm whether is it firm or not.
- If the earth wire is wrong connection, that may cause electric shock.
- The cover plate must be fixed, and tighten the connection wire, if it is poor installed, that the dust, moisture may enter in or the connection terminal will be affected by outside force, and will cause fire or electric shock.
- Leakage circuit-breaker and air switch of correct capacity must be installed.

Install the indoor unit

- The piping can be lead out from right, right rear, left, left rear.

1. When routing the piping and wiring from the left or right side of indoor unit, cut off the tailings from the chassis in necessary (show in Fig.2)
   (1).Cut off the tailings 1 when routing the wiring only;
   (2).Cut off the tailings 1 and tailings 2 when routing both the wiring and piping.(or 1,2,3);
2. Take out the piping from body case, wrap the piping electric wire, water pipe with tape and put them th-rough the piping hole (As show in Fig. 3)
3. Hang the mounting slots of the indoor unit on the upper tabs of the rear panel and check if it is firm enough. (As show in Fig.4)

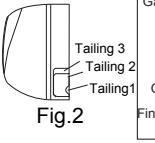


Fig.2

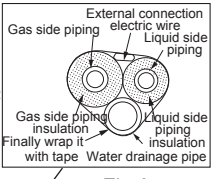
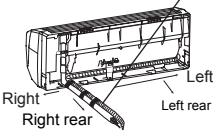


Fig.3



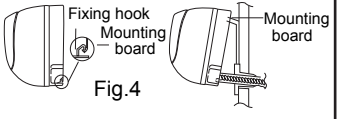
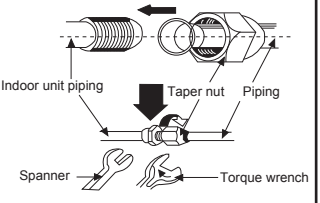


Fig.4

Install the connection pipe

1. Align the center of the piping flare with the relevant valve.
2. Screw in the flare nut by hand and then tighten the nut with spanner and torque wrench refer to the following.
   Tightening torque table

Hex nut diameter	Tightening torque (N • m)
Φ6	15～20
Φ 9. 52	31～35
Φ 12	50～55
Φ 16	60～65
Φ 19	70～75



NOTE: Firstly connect the connection pipe to indoor unit, then to outdoor unit; pay attention to the piping bending, do not damage the connection pipe; the joint nut couldn't tighten too much, otherwise it may cause leakage.

◆ Check after installation and test operation

Check after installation

Items to be checked	Possible malfunction
Has it been fixed firmly?	The unit may drop, shake or emit noise.
Have you done the refrigerant leakage test?	It may cause insufficient cooling(heating) capacity.
Is heat insulation sufficient?	It may cause condensation and dripping.
Is water drainage well?	It may cause condensation and dripping.
Is the voltage in accordance with the rated voltage marked on the nameplate?	It may cause electric malfunction or damage the part.
Is the electric wiring and piping connection installed correctly and securely?	It may cause electric malfunction or damage the part.
Has the unit been connected to a secure earth connection?	It may cause electrical leakage.
Is the power cord specified?	It may cause electric malfunction or damage the part
Is the inlet and outlet been covered?	It may cause insufficient cooling(heating) capacity.
Has the length of connection pipes and refrigerant capacity been recorded?	The refrigerant capacity is not accurate.

Test Operation

1. Before test operation

(1) Do not switch on power before installation is finished completely.
(2) Electric wiring must be connected correctly and securely.
(3) Cut-off valves of the connection pipes should be opened.
(4) All the impurities such as scraps and thrums must be cleared from the unit.

2. Test operation method

(1) Switch on power, press "ON/OF" button on the wireless remote control to start the operation.

(2) Press MODE button, to select the COOL, HEAT, FAN to check whether the operation is normal or not.

◆Installation and Maintenance of Healthy Filter

Installation Instructions

1. Forcibly pull the panel for a specific angle from the two ends of the front panel according to the arrow direction. Then pull the air filter downwards to remove it. (See Fig.a)

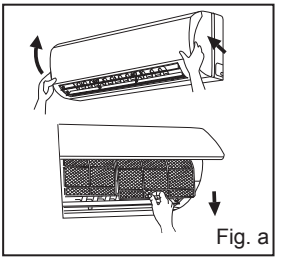


Fig. a

2. Mount the healthy filter onto the air filter,(as shown in Fig.b). If the air filter cannot be installed, please mount the healthy filter on the front case. (as shown in Fig.c).

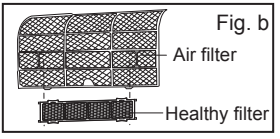


Fig. b

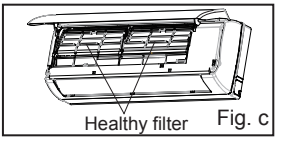


Fig. c

3. Mount the air filter properly along the arrow direction in Fig.d, and then close the panel cover.

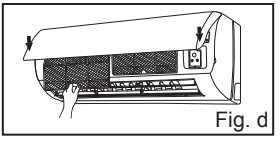


Fig. d

Cleaning and Maintenance

Take out the healthy filter before cleaning and reinstall it after cleaning according to the installation instruction. Pay special attention to that silver ion filter can't be cleaned with water, while active carbon, photocatalyst, low temperature conversion (LTC) catalyst, formaldehyde eliminator, catechin or mite killing filter can, but can't with brush or hard things. Dry it in the shade or sun after cleaning, but not by wiping.

Service Life

The healthy filter commonly has its usage lifetime for one year under normal condition. As for silver ion filter, it is invalid when its surface becomes black (green).

● This supplementary instruction is provided for reference to the unit with healthy filter. If the graphics provided herein is different from the physical goods, the latter one shall prevail. The quantity of healthy filters shall be based on the actual delivery.